

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/507275

In re application of:

MASAI and TAMAI

U.S. National Phase of: PCT/JP03/02918

Int'l Filing Date: March 12, 2003

For: CDC7-ASK KINASE COMPLEX,
SUBSTRATES OF THE KINASE
COMPLEX, SPECIFIC ANTIBODIES
TO THE SUBSTRATES, AND
SCREENING METHODS USING THE
SAME TO SCREEN FOR COMPOUNDS
COMPRISING CDC7-ASK KINASE
INHIBITORY ABILITY

Examiner:

Art Unit:

DIU9 Rec'd PCT/PTO 09 SEP 2004

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the

MAŠAI and TAMAI
Application No.:
Page 2


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PATENT

10/507275

undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit
any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Kevin Bastian
Reg. No. 34,774

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| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | U.S. National Phase of PCT/JP03/07918 |
| | | | | Int'l Filing Date | March 12, 2003 |
| | | | | First Named Inventor | Masai, Hisao |
| | | | | Art Unit | |
| | | | | Examiner Name | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 082368-001100US |

| U.S. PATENT DOCUMENTS+ | | | | | |
|------------------------|--------------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------------------|------------------------------|--|--------------------------------------|--------------------------------|---|---|--------------------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | AA | EP | 1 050 581 | A1 | 11/08/2000 | Medical & Biological Laboratories Co., Ltd | | <input type="checkbox"/> |
| | AB | EP | 1 207 395 | A1 | 05/22/2002 | Medical & Biological Laboratories Co., Ltd | | <input type="checkbox"/> |
| | AC | JP | 2000-135090 (in Japanese, English abstract provided) | | 05/16/2000 | Japan Science and Technology Corp. | | <input type="checkbox"/> |
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| NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | AD | KUMAGAI, Hiroyuki <i>et al.</i> ; "A Novel Growth- and Cell Cycle-Regulated Protein, ASK, Activates Human Cdc7-Related Kinase and Is Essential for G ₁ /S Transition in Mammalian Cells"; <u>Molecular and Cellular Biology</u> , 1999, pp. 5083-5095; Vol. 19, No. 7; American Society for Microbiology | |
| | AE | MASAI, Hisao and Ken-Ichi ARAI; "Cdc7 Kinase Complex: a Key Regulator in the initiation of DNA Replication"; <u>Journal of Cellular Physiology</u> , 2002; pp. 287-296; Vol. 190; Wiley-Liss, Inc. | |
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| Examiner Signature | | Date Considered | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.